

INTERNATIONAL SEARCH REPORT

Inte Application No
PCT/US2005/001295

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01Q15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/034933 A1 (FRENKEL AVRAHAM) 20 February 2003 (2003-02-20)	1, 2, 4, 6-11, 13-16, 25, 26, 36
A		17, 32
X	DAWEI ZHANG ET AL: "OPTICAL CONTROL OF MILLIMETER WAVE HIGH TC SUPERCONDUCTING QUASI-OPTICAL BANDPASS FILTERS" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 58, no. 14, 8 April 1991 (1991-04-08), pages 1560-1562, XP000209763 ISSN: 0003-6951 the whole document	1, 2, 17, 25, 32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

15 August 2005

Date of mailing of the international search report

23/08/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/038325 A1 (SMITH DAVID ET AL) 8 November 2001 (2001-11-08) -----	1,2,8,9
X	US 2002/167457 A1 (MCKINZIE WILLIAM E ET AL) 14 November 2002 (2002-11-14) abstract -----	36
A	LANUZZA L ET AL: "A robust GA-FSS technique for the synthesis of optimal multiband AMCs with angular stability" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2003 DIGEST. APS. COLUMBUS, OH, JUNE 22 - 27, 2003, NEW YORK, NY : IEEE, US, vol. VOL. 4 OF 4, 22 June 2003 (2003-06-22), pages 419-422, XP010649833 ISBN: 0-7803-7846-6 the whole document -----	
A	L. DAI ET AL: "sensor and sensor arrays based on conjugated polymers and carbon nanotubes" PURE APPL. CHEM., vol. 74, no. 9, 2002, pages 1753-1772, XP002340646 cited in the application abstract -----	

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003034933 A1	20-02-2003	GB 2378820 A	19-02-2003
		AT 288138 T	15-02-2005
		DE 60202778 D1	03-03-2005
		EP 1421646 A1	26-05-2004
		WO 03017423 A1	27-02-2003
US 2001038325 A1	08-11-2001	AU 4924101 A	03-10-2001
		WO 0171774 A2	27-09-2001
US 2002167457 A1	14-11-2002	WO 02089256 A1	07-11-2002